I. Course Overview

A. Basic Information

Department: Chemistry
Course Prefixes: CHM201, Section 10400
Course Title: Introduction to Organic and Biological Chemistry
Credit Hours: 4

B. Instructor’s Information

Name: Ghassan M. Saed, Ph.D.
Office: Room 385, HHS
Mailbox: 264 SEB under name of Saed
E-mail Address: saed@oakland.edu
Office Fax number: (248) 370-3221
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C. Catalog Course Description

Brief survey of organic and biological chemistry, emphasizing applications to human physiology. CHM 201 may not be used for major or minor credit in chemistry, biology or physics, except for the STEP minor in chemistry.

D. Required Text


Other: Scientific calculator and Scantron forms 882

II. **Course Goals and Objectives**

In CHM 201 you will learn the following:

1. The nature of organic molecules.
2. Naming of organic molecules.
4. Introduction to Carbohydrates, Proteins, and Lipids.
5. Metabolism of food (carbohydrates, proteins and lipids).

III. **Course Policies and Procedures**

   **A. Web site**

   There is a web site for this course. You will be required to use the site.

   You may use the "Discussion" board to post questions and to receive answers.

   Instructions for accessing the site are online at the orientation site:
   [http://www2.oakland.edu/elis/WSO_login.cfm](http://www2.oakland.edu/elis/WSO_login.cfm).
   The web site address (URL) is: [http://webct.oakland.edu](http://webct.oakland.edu)

   You are required to log-in to the WEB-CT regularly. You are responsible for all the information posted for this course. To login into WebCT, you will use your OU Grizzly ID (also known as your student number) and your six-digit SAIL PIN number as your password. (Your PIN number is most probably your birth date in the mmddyy format, unless you have previously changed your OU PIN number.) Warning: Your Grizzly ID and password are case sensitive. If you are unsure about your Grizzly ID and PIN, please contact the Registrar’s Office at registra@oakland.edu or (248) 370-3450.

   Each graded item will appear in the “Grades” section of the site.

   Please use the discussion board for all your questions. Discussion board can be viewed by all students and is a very useful communication tool. I check the discussion board almost daily. If you have a private matter you need to discuss with me please use the course web-ct e-mail. Do not use my Oakland e-mail.

   **B. Course materials**

   The course will be divided into two sections.

   *Section I, which include the following chapters:*
   Chapter 12 (Alkanes)
Chapter 13 (Alkenes, Alkynes, and Aromatic Compounds)
Chapter 14 (Alcohols, Phenols, Ethers, and Thiols)
Chapter 15 (Amines)
Chapter 16 (Aldehyde and Ketones)
Chapter 17 (Carboxylic Acids and Their Derivatives)

Section II, which include the following chapters:
Chapter 18 (Amino Acids and Proteins)
Chapter 22 (Carbohydrates)
Chapter 24 (Lipids)
Chapter 23 (Carbohydrate Metabolism)
Chapter 25 (Lipid Metabolism)
Chapter 28 (Protein Metabolism)

C. Homework assignments

Homework assignments are ALL the even problems at the end of each assigned chapter, including Understanding Key Concepts and Additional Problems. **You are strongly recommended to do all the homework problems!** This is necessary to become proficient in the material. Homework will be graded as 2 points per chapter.

Section I homework assignment is due on the day of the mid-term exam. Section II homework assignment is due on the day of the final exam.

D. Grading and Examination

There will be a mid-term and a final multiple-choice exams (No comprehensive final exam will be given), and homework assignments.

The graded work will be:

Exam I 200 points

Exam I homework assignment 36 points (6 points/chapter)

Final Exam 200 points

Final exam homework assignment 36 points (6 points/chapter)

Examinations are based on material covered in the text book. Exams will consist of multiple-choice questions.

No Make-up exams are given. Should you miss an exam for non-legitimate reasons, you will receive a grade of zero on the missed examination. If you missed an exam for a legitimate reason, we can negotiate.
The maximum number of points that any student can accumulate is 472 points. Final numeric grades will be based on parameter H. A score of H or higher will be assigned a 4.0 grade. About half of the score will be assigned a 1.0 grade, with a linear grade scale in between. Students with total points less than about H/2 will receive a 0.0 grade. Personal grades are not available by e-mail but are available on the WebCT site.

E. Laboratory Experiences
   No laboratory

F. Office hours

Office hours are tentatively scheduled every Saturday from 10:00 to 11:00 AM throughout the course. You are requested to log-in to the chat forum during office hours for questions. Office hours time and duration might change according to our need.

IV Timetable

Exam I: is scheduled for Saturday (to be announced) from 10:00 to 12:00 AM in room (to be announced)

Final Exam: is scheduled for Saturday April 21, 2007 from 10:00 AM to 1:00 PM in room (to be announced)